Product Release Information

LENOVOEMC™ PX2-300D

Network Storage, Pro

DESCRIPTION

Short Description: The LenovoEMC™ px2-300d Network Storage Pro Series packs ultra-fast storage and protection into a small, quiet chassis. Ideal for small-to medium-sized businesses and distributed enterprise locations like branch and remote offices, px2-300d provides data protection and backup, with local and remote cloud file sharing

Long Description: LenovoEMC™ px2-300d Network Storage is a high performance business class desktop device, ideal for small-to medium-sized businesses and distributed enterprise locations like branch and remote offices, for content sharing and data protection. Powered by LenovoEMC™ storage technology, and with up to 8TB of storage capacity or a diskless option, the px2-300d is easy to setup and manage and affordable to own. The px2-300d provides cross-platform file sharing and simultaneous iSCSI block access. High performance I/O is achieved through dual GbE connections with port bonding and link aggregation capabilities. The LenovoEMC™ Personal Cloud technology offers unparalleled simplicity and versatility for data protection and access. Business users will appreciate the robust data protection features, such as the Snapshots with VSS, EMC Atmos Cloud Connector, EMC Avamar data deduplication, RAID protection with hot swap drives, UPS support, built-in McAfee VirusScan, user quotas and device-to-device data replication. Active Directory support and remote access round out the comprehensive business features. The px2-300d also embeds the Milestone® Arcus™ and Mindtree® SecureMind video surveillance application along with support for PC, Mac® and Linux® clients.

TOP FEATURES

1. Up to 50 users
2. Intel® Atom Dual Core CPU, 2 GbE NICs,
3. Diskless & fully populated, Hot swap HDDs
4. Active Snapshot backup (.VSS & .VDS provider)
5. Active Directory High-Availability (ADHA) & hybrid authentication
6. Video Surveillance (VGA port out)
7. Built-in McAfee VirusScan Enterprise
8. PC Backup & Restore with True Image Lite 2013 by Acronis

COMPLETE FEATURES

High-Performance:

- Dual Core Intel® Atom D525 1.8GHz Processor
- 2GB DDR3 RAM
- Support for SSD drives
- Dual GbE NICs

Ease of use

- Fast, three step set up with an intuitive web-based interface
- User friendly web-based management interface.
- Web Interface accessible in 17 supported languages
- Flexible configurations with diskless option
- Compatible with today's most common backup software, web browsers, media devices and computers.

Scheduled Availability: June 2013

Capacity: Starting at 0TB (diskless) up to 8TB capacity (2 x 4TB SATA HDDs). Empty bays are fitted with a drive carrier. Carrier can accommodate 2.5" and 3.5" drives (including 4TB HDD)
Dual Gigabit Ethernet connectivity with high performance embedded architecture. Supports teaming or bonding modes to increase network performance or provide higher reliability with NIC failover
RAID Support: RAID 0, 1 with hot-swap drives. JBOD mode also available.

Network File Protocols Supported: CIFS/SMB/Rally (Microsoft), NFS (Linux/UNIX), AFP/Bonjour (Apple), FTP, SFTP, TFTP, HTTP, HTTPS, WebDAV, Windows DFS, SNMP.
iSCSI target provides block-level access for the most efficient storage utilization, especially for backup, database and email application performance. It can be used in parallel with file-level storage access via CIFS/NFS. Includes support for SCSI-3 persistent reservations.
Business-class features

- Windows Active Directory High-Availability (ADHA), Hybrid Authentication, MSCS and Hyper-V Live Migration support
- Built-in, real-time on-access and automatic anti-Virus scanning and cleaning using the embedded McAfee® VirusScan® Enterprise

Built-in Cloud Technology

- EMC Atmos Cloud Connector
- EMC Avamar data deduplication
- LenovoEMC™ Personal Cloud
- Mozy™
- Amazon S3

Advanced Networking Capabilities:

- NIC bonding for failover and load balancing including 802.3ad link aggregation.
- Jumbo frame support for 4000 and 9000 byte payloads. VLAN Tagging capability to IEEE 802.1Q standard.
- iSCSI persistent reservations for clustered Microsoft environments.

Data Replication / Device to Device Data Copy Jobs:

- Easily copy files to and from attached USB drives or any network share – including LenovoEMC Personal Cloud locations – using the secure rsync or CIFS protocol.
- Define your Copy Job to copy/synchronize files to and from connected drives and/or any other shared storage on your network.
- Schedule jobs to run on a predetermined schedule

Expandability: Add storage capacity by connecting external USB hard disk drives. Supports read/ write on Fat32, NTFS, ext2/ext3/ext4, or HFS+ formatted drives.
Application Manager: Third party applications can be installed using the embedded application manager.
Data organization and access: Windows DFS organizes folders and files on a network, such that they appear to be all in one directory tree on a single LenovoEMC network storage device, even if the folders reside on many devices in many different locations. WebDAV (Web-based Distributed Authoring and Versioning) enables viewing, adding, or deleting files on a Lenovo network storage device from the web, via HTTP or HTTPS for added security.
Power Savings:
Automatic hard drive spin-down assure the most efficient (minimal) power consumption.
Scheduled Power: Automatically power on or turn off your LenovoEMC network storage device at a pre-selected time schedule.
Wake-On-LAN: Powers on your Lenovo network storage device when a "magic-packet" wake-up signal is sent over the network. (Wake-On-LAN magic packet application not included)
Uninterruptible Power Supply (UPS) Support: Allows to receive unattended shutdown requests from UPS through USB port to prevent data loss in case of power failure
Configuration Backup and Restore: Allows you to back up and restore system configuration information. Backing up a configuration saves various system properties, including users, groups, device identification, and share names and permissions.
System Status: Consolidated resource on space utilization, device information, and status. In addition, you can manage controls such as device restart from here.
SMART Hard Drive Monitor: Continually monitors and reports on the health of all drives in the Lenovo network storage device.
Reporting: Email alerts and Event Logging provide up-to-the-minute updates on the status of your device even when you are away from your computer. SNMP agent monitoring helps administrators centrally manage the px2-300d.

LenovoEMC™ Personal Cloud: LenovoEMC Personal Cloud is a web-based computing architecture that connects your LenovoEMC Network Storage devices to other individuals and/or devices via the Internet

LenovoEMC™ Link iOS & Android application: LenovoEMC Link gives you a direct link to your px2-300d via your iOS or Android device. You have the ability to upload, download, browse and copy content on your network storage devices using LenovoEMC Link mobile app. (download app from iTunes or Google Play)

Software Compatibility: Compatible with today's most common backup software, web browsers, media devices and computers.

SOLUTIONS

Virtualization
Lenovo network storage devices are certified for Citrix® XenServer™ 5.6, Windows® Server 2008 R2, Windows Server 2012, VMware® vSphere ESX 5.1 which makes them the most cost-effective solution for server virtualization.

Video Surveillance
To ensure higher reliability and performance in 24x7 and high I/O workload environments like video surveillance Lenovo recommends using LenovoEMC px network storage devices with server class hard disks or dedicated Network Video Recording (NVR) NAS :

- 70BA9000EA
  LENOVOEMC™ PX2-300D NETWORK STORAGE SERVER CLASS, 2TB (2HD X 1TB) EMEA
- 70BA9001EA
  LENOVOEMC™ PX2-300D NETWORK STORAGE SERVER CLASS, 4TB (2HD X 2TB) EMEA
- 70BA9002EA
  LENOVOEMC™ PX2-300D NETWORK STORAGE SERVER CLASS, 6TB (2HD X 3TB) EMEA
- 70BA9008EA
  LENOVOEMC™ PX2-300D NVR SERVER CLASS (4 MINDTREE LICENSES) 4TB (2HD X 2TB) EMEA
- 70BA9009EA
  LENOVOEMC™ PX2-300D SERVER CLASS NVR WITH MILESTONE® ARCUS™ 4TB (2HD X 2TB), 4 CAMERA LICENSES EMEA

Powerful Backup Functionality

- **Symantec Backup:** Lenovo network storage products are identified as compatible disk targets for Backup Exec software.
- **LenovoEMC™ Personal Cloud Backup:** Synchronize data between Personal Cloud member systems and the px2-300d.
- **Public Cloud Backup:** Use one of the integrated 3rd party cloud-based storage services such as Amazon S3 or Mozy™ to replicate data from your px2-300d to your public cloud account.
- **Active Snapshot** (.VSS & .VDS provider)
- **Cloud Disaster Recovery:** Utilize two px2-300d devices in different locations and the LenovoEMC Personal Cloud function to create your own disaster recovery scheme.
- **EMC Atmos Cloud Connector:** The Atmos Connector software lets a user backup and share data using Lenovo network storage devices as the source and Atmos cloud technology as the target. Enabled by the integrated copy job utility, customers can set up cloud folders and configure jobs to automatically copy data to any Atmos cloud.
- **Deduplicating Backup with EMC Avamar –** With Avamar support on the px2-300d, users have the industry's first storage product that natively supports EMC's industry-leading Avamar sub-file deduplication for remote office/branch office (RoBo) backup.
- **PC Backup with True Image Lite 2013 by Acronis** (3 licenses included)
- **Apple® Time Machine™ Backup:** Compatible backup target

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Total Data Protection:

- **Native Security Support** with robust username and password authorized access. Create additional users and secure their content with password protection.
- **Encrypted Volume:** Allows you to create an encrypted volume with an assigned password; thus securing the data on the encrypted volume.
- **User Quotas:** Easily manage capacity by setting maximum limits per user.

Warranty: 3 year limited warranty

SPECIFICATIONS

- Desktop form factor
- Intel Atom Dual Core D525 CPU @1.8GHz, 2GB RAM
- 2 x 3.5" Hot-Swap SATA-II Hard Disk Drives
- 2 x RJ45 10/100/1000Mbps (GbE) Ethernet port
- RAID 0, 1
- 1 x USB 3.0 and 2 x USB 2.0 ports (to connect external HDD, UPS, Bluetooth dongle)
- iSCSI LUNs - up to 256 LUNs
- LAN standards: IEEE 802.3, IEEE 802.3u
- AC Voltage 100-240 VAC
- **Power Consumption**
  - Max: 40W
  - Min: 20W (drives spun down)
  - Peak: 65W for 1.5s

  NOTE: These values represent a fully loaded device with the highest capacity HDD. Values may vary with other configurations.
- Acoustic noise – 29.3 dBA maximum
- Operational Temperature/Humidity:
  - **Temperature:50°F – 104°F (10°C-40°C)**
  - **Humidity: 8-85% R.H**
- VGA Port for local display of video with Milestone Arcus and Mindtree VMS software
- User interface localized for English, French, Italian, German, Spanish, Brazilian Portuguese, Russian, Traditional Chinese, Simplified Chinese, Korean, Japanese, Arabic, Hebrew, Turkish, Swedish, Dutch, and Polish.

CERTIFICATIONS

The px2-300d, Network Storage has received the following certifications:

- Windows® Server 2008 R2 and Windows Server 2012
- VMware vSphere ESX 5.1 iSCSI and NAS
- XenServer™ 5.5, 5.6 (w/ MPIO), iSCSI & NFS

CONTENTS

- LenovoEMC™ px2-300d Network Storage
- Ethernet cable
- Power supply
- Printed Quick Start Guide
- Software Download (with): LenovoEMC™ Storage Manager software, User Help Documentation

SYSTEM REQUIREMENTS

- Available 10/100/1000 Mbps network Ethernet port (required).
- Internet Explorer 7, Firefox® 3.x, Chrome 9, Safari 4 or later browser.
- Personal Cloud and remote access specific requirements:
  - Internet connection
  - Universal Plug and Play (UPnP™) compatible router, or administrative rights to port forward.
  - Recommended minimum sustained connection speeds for a good Personal Cloud experience.
    - Download: 2.5 Mbit/s
    - Upload: 500Kbit/s
  - Personal Cloud is not compatible with Active Directory
  - Personal Cloud is not compatible with XP 64 bit

PC Users:

- Microsoft® Windows® XP / Vista / 7 / 8 (all versions - exclusive of XP 64 bit for Personal Cloud)

Mac® Users:

- Mac OS X 10.6 – 10.8

Linux® Users

- Redhat Enterprise 6, Ubuntu 11, OpenSUSE 11.4, Other compatible Linux versions

WEIGHT AND DIMENSIONS (EU/UK)

Unit Information	Single Package Information	Master Carton Information	Pallet Information
12.62 x 22.63 x 20.78 cm 2.59 kg with 0 HDDs 3.90 kg with 2 HDDs	30.2 x 19 x 30.71 cm 3.62 kg with 0 HDDs 4.93 kg with 2 HDDs	40.01 x 32.39 x 32.79 cm 7.69 kg with 0 HDDs 10.31 kg with 2 HDDs 2 units per master carton	120 x 80 x 176 cm 321.3 kg with 2 HDDs 242.7 kg with 0 HDDs 5 layers, 6 master cartons per layer 60 units per pallet

All dimensions LxWxH and are approximations

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ORDERING INFORMATION

SKU	Model	EAN
70BA9004EA	LENOVOEMC™ PX2-300D NETWORK STORAGE, 0TB DISKLESS EMEA	0887770963694
70A39005EA	LENOVOEMC™ PX2-300D NETWORK STORAGE PRO SERIES, 2TB (2HD X 1TB) EMEA	0887770963724
70A39006EA	LENOVOEMC™ PX2-300D NETWORK STORAGE PRO SERIES, 4TB (2HD X 2TB) EMEA	0887770963748
70A39007EA	LENOVOEMC™ PX2-300D NETWORK STORAGE PRO SERIES, 6TB (2HD X 3TB) EMEA	0887770963762
Accessories		
4N40A33705	NAS DRIVE 1TB FOR PX PRO SERIES 7200RPM (SEAGATE ST1000DM003)	0887770965124
4N40A33707	NAS DRIVE 2TB FOR PX PRO SERIES 7200RPM (SEAGATE ST2000DM001)	0887770965148
4N40A33709	NAS DRIVE 3TB FOR PX PRO SERIES 7200RPM (SEAGATE ST3000DM001)	0887770965162
Service Plans **		
5WS0A37768	EXTENDED SERVICE PLAN PX DESKTOP SERIES - 5 YEARS, 24X7 PHONE SUPPORT	0887942292942
5WS0A37773	ENHANCED SERVICE PLAN PX DESKTOP SERIES - 3 YEARS, 24/7 PHONE SUPPORT, NBD ON-SITE	0887942292898
5WS0A37774	ENHANCED SERVICE PLAN PX DESKTOP SERIES - 5 YEARS, 24/7 PHONE SUPPORT, NBD ON-SITE	0887942292881

**** Available in most geographies, some restrictions apply**

ADDITIONAL IMAGES